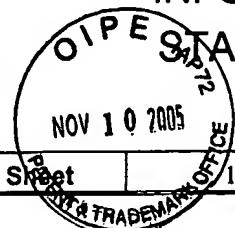


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Sheet

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of

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Complete if Known

Application Number	10/766,720
Filing Date	January 27, 2004
First Named Inventor:	Scott Adams
Art Unit	2834
Examiner Name	Tamai, Karl I.

Attorney Docket Number 4341P053D2

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		US- 3,493,820		2/3/1970	Rosvold	257 52L
		US- 4,104,086		8/1/1978	Bondur et al.	148 116
		US- 4,421,381		12/20/1983	Ueda et al.	350 6.6
		US- 4,509,249		4/9/1985	Goto et al.	291576W
		US- 4,519,128		5/28/1985	Chesebro et al.	291576W
		US- 4,553,436		11/19/1985	Hansson	73 517R
		US- 4,571,819		2/25/1986	Rogers et al.	291576
		US- 4,613,203		9/23/1986	Proetel et al.	350 6.6
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		US- 4,688,069		8/18/1987	Joy et al.	357 34
		US- 4,706,374		11/17/1987	Murakami	437 225
		US- 4,738,500		4/19/1988	Grupp et al.	350 6.6
		US- 4,784,720		11/15/1988	Douglas	156 643
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		US- 4,876,217		10/24/1989	Zdebel	437 67

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		Country Code ³	Number ⁴ Kind Code ⁵ (if known)				
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		EP	0 813 089 A2	12/17/1997	Choi et al.	502B 26/08	
		EP	0 834759 A2	4/8/1998	Dhuler, et al.	502B 26/08	
		EP	0 980014 A1	2/16/2000	Meier, et al.	502B 26/08	

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		Number-Kind Code ² (if known)				
		US-	5,068,203	11/26/1991	Logsdon et al.	437 109
		US-	5,083,857	1/28/1992	Hornbeck	359 (29)
		US-	5,097,354	3/17/1992	Goto	359 (212)
		US-	5,172,262	12/15/1992	Hornbeck	359 223
		US-	5,198,390	3/30/1993	MacDonald et al.	437 203
		US-	5,203,208	4/20/1993	Bernstein	73 505
		US-	5,226,321	7/13/1993	Varnham et al.	73 505
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		US-	5,316,979	5/31/1994	MacDonald et al.	437 123
		US-	5,345,824	9/13/1994	Sherman et al.	73 517B
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		Country Code ³	Number ⁴ Kind Code ⁵ (if known)				
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<i>Complete if Known</i>	
Application Number	10/766,720
Filing Date	January 27, 2004
First Named Inventor:	Scott Adams
Art Unit	2834
Examiner Name	Tamai, Karl I.

Sheet	3	of	14	Attorney Docket Number	4341P053D2
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Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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		US- 5,428,259		6/27/1995	Suzuki	30 309
		US- 5,449,903		9/12/1995	Arney et al.	250 306
		US- 5,454,906		10/3/1995	Baker et al.	216 66
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		US- 5,488,862		2/6/1996	Neukermans et al.	38 504,02
		US- 5,501,893		3/26/1996	Laermer et al.	428 161
<i>Taylor</i>		US- 5,506,175		4/9/1996	Zhang et al.	30 309
<i>Taylor</i>		US- 5,536,988		7/16/1996	Zhang et al.	30 309
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		US- 5,563,343		10/8/1996	Shaw et al.	73 54118
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		Country Code ³	Number ⁴ Kind Code ⁵ (if known)				
<i>Taylor</i>		JP 5-107485 A		4/30/1993	Koyabu et al.	GOZB 2608	
<i>Taylor</i>		JP 6-180428		6/28/1994	Toyoda et al.	GOZB Z6110	
<i>Taylor</i>		JP 5-55401 A		3/5/1993	Ogawa	1012312	
<i>Taylor</i>		WO 94/18697		8/18/1994	Shaw et al.	HOIL 21144	
<i>Taylor</i>		WO 97/04283		2/6/1997	Miller et al.	GP01B	

Examiner Signature	<i>Daryl T. Taylor</i>	Date Considered	
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Sheet	4	of	14	Attorney Docket Number	4341P053D2
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Complete if Known

Application Number	10/766,720
Filing Date	January 27, 2004
First Named Inventor:	Scott Adams
Art Unit	2834
Examiner Name	Tamai, Karl I.

U.S. PATENT DOCUMENTS

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		Number	Kind Code ² (if known)			
		us-	5,610,335	3/11/1997	Shaw et al.	73 514, 36
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		us-	5,611,940	3/18/1997	Zettler	73 514, 16
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		Country Code ³	Number ⁴ Kind Code ⁵ (if known)				
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Examiner Signature		Date Considered	(2/6/05)
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Sheet	5	of	14	Attorney Docket Number	4341P053D2
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Application Number	10/766,720
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		us-	5,784,187	7/21/1998	Cunningham et al.	351 248
		us-	5,798,557	8/25/1998	Salatino et al.	257 416
		us-	5,804,084	9/8/1998	Nasby et al.	216 2
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		us-	5,853,959	12/29/1998	Brand et al.	430 320
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		us-	5,915,168	6/22/1999	Salatino et al.	438 110
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		Country Code ³	Number ⁴ Kind Code ⁵ (if known)				
<i>Karl Tamai</i>		WO	01/57902 A2	8/9/2001	Adams et al.	401 15 59 00	

Examiner Signature	<i>Karl Tamai</i>	Date Considered	<i>12/6/05</i>
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Sheet 6 of 14 **Attorney Docket Number** 4341P053D2

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		us-	6,075,639	6/13/2000	Kino et al.	359 224
		us-	6,078,016	6/20/2000	Yoshikawa et al.	200 181
		us-	6,097,858	8/1/2000	Laor	385 166

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Assignee or Patentee: *Boeing Company, Seattle, Washington 98124-2473*

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		US-	6,170,332 B1	1/9/2001	MacDonald et al.	73 5478
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		US-	6,201,629 B1	3/13/2001	McClelland et al.	359 223
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Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴ Kind Code ⁵ (if known)				

Examiner Signature	<i>Karl Tamai</i>	Date Considered	<i>12/6/05</i>
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Sheet	8	of	14	Attorney Docket Number	4341P053D2
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U.S. PATENT DOCUMENTS

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<i>Karl Tamai</i>		US-	6,239,473 B1	5/29/2001	Adams et al.	257 419
		US-	6,245,590 B1	6/12/2001	Wine et al.	438 52
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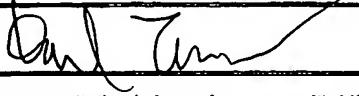
Application Number	10/766,720
Filing Date	January 27, 2004
First Named Inventor:	Scott Adams
Art Unit	2834
Examiner Name	Tamai, Karl I.

U.S. PATENT DOCUMENTS

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		us-	6,444,138 B1	9/3/2002	Moon et al.	216 79
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		us-	6,668,108 B1	12/23/2003	Helkey et al.	385 18
		us-	6,706,200 B2	3/16/2004	Moon et al.	216 2

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				Filing Date	January 27, 2003
				First Named Inventor:	Scott Adams
				Art Unit	2834
				Examiner Name	Tamai, Karl I.
Sheet	10	of	14	Attorney Docket Number	4341P053D2

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Sheet	11	of	14	Attorney Docket Number	4341P053D2
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NON PATENT LITERATURE DOCUMENTS

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<i>WT</i>		Timothy J. Broshnihan, James M. Bustillo, Albert P. Pisano & Roger T. Howe, "Embedded Interconnect & Electrical Isolation for High-Aspect-Ratio, SOI Inertial Instruments," Berkeley Sensor & Actuator Sensor, pp. 637-640, Transducers '97, 1997 International Conference on Solid-State Sensors and Actuators (Chicago, June 16-19, 1997)	
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Considered

12/6/05

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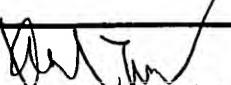
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First Named Inventor:	Scott Adams
Art Unit	2834
Examiner Name	Tamai, Karl I.

Sheet	12	of	14	Attorney Docket Number	4341P053D2
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WT		M. Adrian Michalicek, Wenge Zhang, Kevin F. Harsh, Victor M. Bright, and Y.C. Lee, "Micromirror Arrays Fabricated by Flip-Chip Assembly," Part of the SPIE Conference on Miniaturizes Systems with Micro-Optics and MEMS, Santa Clara, SPIE Vol. 3878, pp. 68-79 (September 1999)	
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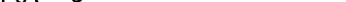
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				Art Unit	2834	
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Sheet	13	of	14	Attorney Docket Number		
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<i>WT</i>		Joseph E. Ford, Vladimir A. Aksyuk, David J. Bishop, and James A. Walker, "Wavelength Add-Drop Switching Using Tilting Micromirrors," Journal of Lightwave Technology, Vol. 17, No. 5, pp. 904-911 (May 1999)				
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<i>WT</i>		Rob Legtenberg, et al., "Comb-drive actuators for large displacements," Journal of Micromechanics and Microengineering, Vol. 6, No. 2, pp.320-329, June 1996				
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Examiner Signature	<i>Karl I. Tamai</i>	Date Considered	12/6/15
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